

CLAIMS:

1. A packet switching arrangement comprising a switching network which includes a plurality of bufferless switching matrices (6) and a plurality of cascaded switch controls (7) assigned each to a switching matrix (6), which switch controls each include at least

- 5
- an identification analyzer (12) for identifying the input port in a route identification assigned to a packet,
 - an output allocator (13) for evaluating the route identification,
 - a configuration unit (14) for storing accepted assignments of a respective input port and an output port,
 - 10 - an identification assignment analyzer (15) for changing and conveying the route identification to a port controller (2 to 5).

2. A packet switching arrangement as claimed in claim 1, characterized in that the switch control (7) includes a plurality of input allocators (16) for evaluating a plurality of requests sent simultaneously with the route identification.

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3. A packet switching arrangement as claimed in claim 2, characterized in that the switch control (7) includes at least a result analyzer (17) for informing the identification analyzer (12) of accepted allocations of various requests sent simultaneously with the route identification and of requests iteratively processed by the switch control (7).

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4. A packet switching arrangement as claimed in claim 3, characterized in that each switch control (7) includes a request cascader (18) for comparing and selecting a result locally determined by the output allocator (13) and a result achieved by the preceding switch control (7).

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5. A packet switching arrangement as claimed in claim 4, characterized in that each switch control (7) includes an assignment cascader (19) for comparing and selecting a

result locally determined by the input allocator (16) and a result achieved by the preceding switch control (7).

6. A packet switching arrangement as claimed in claim 1, characterized in that
5 the switching network is connected to a plurality of input ports via multiplexed signaling links and useful data links.

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